AMENDMENTS TO THE SPECIFICATION:

Pages 9 through 11 of Translation

Please replace all of the paragraphs for Examples 1, 2, 3, and 4 with the following amended paragraphs:

Example 1

The room temperature magnetic refrigerant [[is]] was made by stacking the sheet units of the material which [[is]] was 0.1 mm thick. The thickness of the stacked units [[is]] was 5 mm. A truncated cone of 1 mm diameter and 0.05 mm height [[is]] was inserted between the two sheet units at a 5 mm interval and the fluid path [[is]] was so obtained. The sheet unit [[is]] was comprised of two copper sheets of 0.01 mm thickness. A liquid oxidation resistant thermal conductive agent gallium [[is]] was suffused therebetween. The liquid gallium stated above [[is]] was dopped with room temperature magnetic refrigerant material gadolinium to form room temperature magnetic refrigerant. The diameter of the refrigerant [[is]] was 0.005 mm. Impressions [[are]] were made about every 3 mm between the two copper sheets to form the small isolated areas. The process is described in detail as below:

- Machine The room temperature magnetic refrigerant material gadolinium was
 <u>machined</u> into sheets; or crushed with water, ball grinded, plasma spray coated or
 <u>machine</u> the room temperature magnetic refrigerant material gadolinium was
 <u>machined</u> directly into gadolinium balls of suitable size of more than 0.005 mm.
- 2. Prepare Copper sheets of less than 0.01 mm thick were prepared.
- 3. Seal The room temperature magnetic refrigerant gadolinium balls and oxidation proof thermal conductive agent gallium were sealed between the two copper sheets. The gadolinium balls should be were packed densely. The material obtained as above [[is]] was then compressed into a sheet unit with the thickness of 0.1 mm. On the surface of the resulting sheet unit, truncated cones of 1 mm diameter and 0.05 mm

height [[are]] <u>were</u> placed every 5 mm apart. At a 3 mm interval, the copper sheets [[are]] <u>were</u> pressed together completely to form small isolated areas between the copper sheets.

- 4. Stack The sheet units <u>were stacked</u> and fixed them under pressure to obtain so the necessary mechanical strength <u>was obtained</u>. The pressure shall should not be too high so that a fluid path [[is]] <u>was</u> obtained. The thickness of the stacked sheet units [[is]] <u>was</u> 5 mm.
- 5. Cut The room temperature magnetic refrigerant obtained above was cut to desirable size to be applied in the room temperature magnetic chiller. The structure is shown in Fig. 2 and Fig. 3.

Example 2:

The structure and process of making the room temperature magnetic refrigerant [[is]] was basically the same as described in Example 1, except that the room temperature magnetic refrigerant material used [[is]] was a super-paramagnetic material with particle size of 0.001 mm; the thickness of the sheet units [[is]] was 0.05 mm; the spherical metal powders, 0.05 mm in diameter, [[are]] were dispersed between the sheet units and the thickness of the stacked sheet units [[is]] was 90 mm.

Example 3:

The room temperature magnetic refrigerant material [[is]] was gadolinium and the thermal conductive metal [[is]] was aluminum.

- 1. The gadolinium was mechanically crushed the gadolinium to balls with appropriate size of 0.025 mm in diameter.
- 2. Melt The aluminum was melted at 940 K under argon, and then place the gadolinium balls obtained from step 1 were placed into the molten aluminum.
- 3. Compress The aluminum and the gadolinium balls were compressed at 940 K and then cooled [[it]] down.
- 4. Machine or otherwise process The material obtained from step 3 was machined or otherwise processed to small balls with 0.25 mm in diameter. It is shown in Fig. 4.

Example 4:

As shown in Fig. 2, the molding process of composite material including high-thermal-conductor and room temperature magnetic refrigerant material comprises: cutting the room temperature magnetic refrigerant material such as gadolinium or Gd-Si-Ge alloy into sheets or filaments with section diameter less or much less than 0.1 mm; and inserting the high-thermal-conductor sheets or filaments of the similar size between the room temperature magnetic refrigerant material sheets or filaments were inserted to ensure full and close contact. The process includes: alternately stacking the room temperature magnetic refrigerant material gadolinium or Gd-Si-Ge alloy which [[is]] were rolled into sheets with copper or aluminum sheets; compressing the stacked sheets; and, cutting them into sheets, strips or filaments. The heat of the room temperature magnetic refrigerant [[is]] was mainly exchanged with outside through the high-thermal-conductor. As an aspect of this invention, the high-thermal-conductor [[is]] was aluminum.

Respectfully submitted,

HUDAK, SHUNK & FARINE CO. LPA

By: Daniel J. Hudak
Registration No. 25,879

DJH/lb

2020 Front Street Suite 307 Cuyahoga Falls, OH 44221-3257 (330) 535-2220

Attorney Docket No.: CNIP-B-PCT-US